

Boundary Bay Ambient Monitoring Program – Partnership Approach

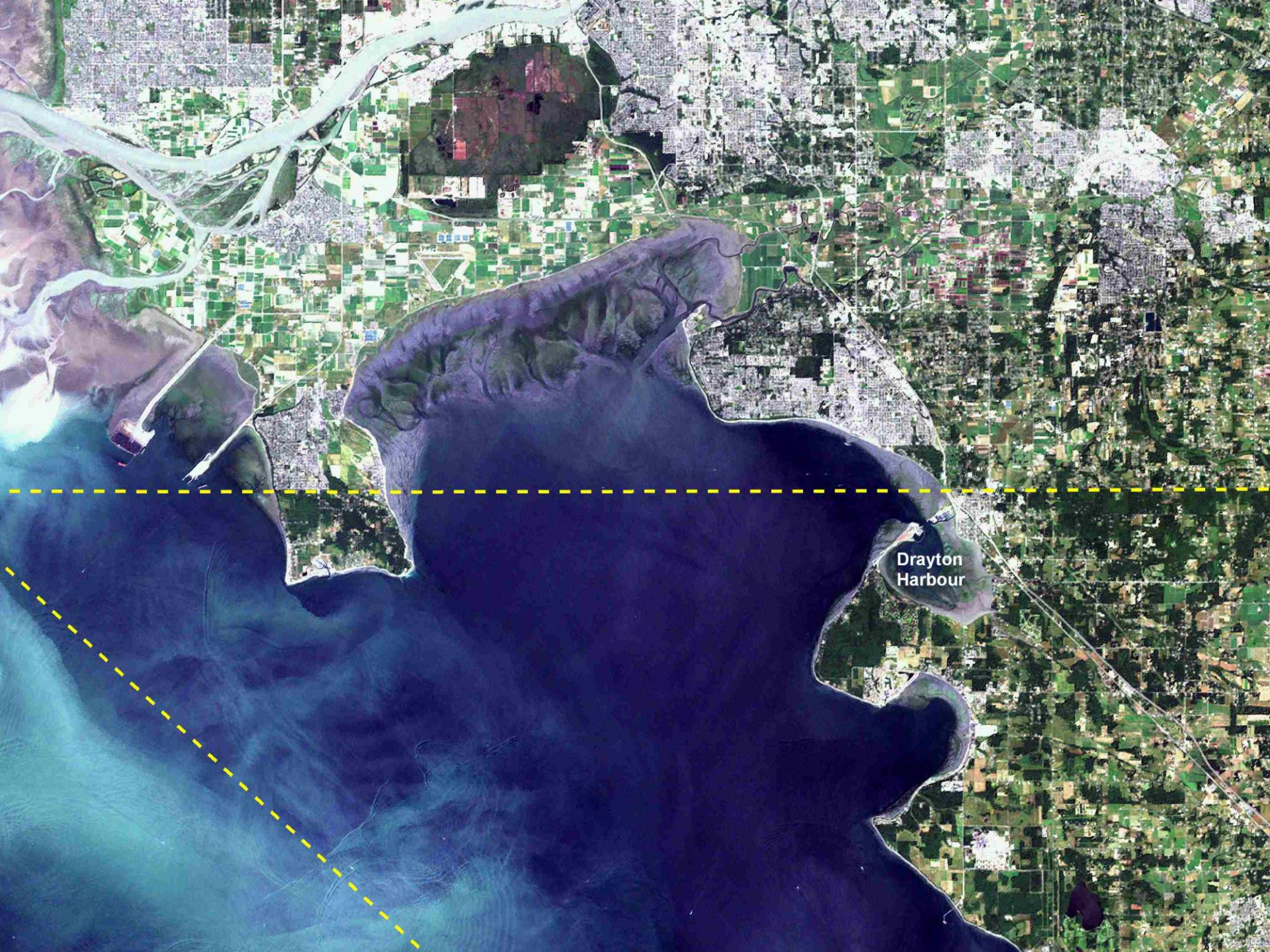
Presentation
to
Puget Sound Ambient Monitoring Program

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Harbour

Sustainability encompasses a long term commitment to economic prosperity, community well-being and environmental integrity (LWMP draft, 2008)

SRI: Three guiding principles for decision making:

- Regard for both local and global consequences and long term impacts
- Recognition and reflection on the interconnectedness and interdependence of systems
- collaboration



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Liquid Waste Management Plan **(LWMP)- Draft**

"Monitor the ambient environment conditions of relevant water bodies in the region."



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Action 27.1

Maintain a program to assess ambient water quality in the region

- *Primary water bodies to be monitored include Fraser River, Southern Strait of Georgia, Burrard Inlet and Boundary Bay*
- *Determine changes in water quality as the region and municipalities improve wastewater and stormwater management*
- *Assess the cumulative impacts of point source and non-point source discharges, including stormwater runoff, agricultural and industry discharges*
- *Develop program partnerships with other levels of government as appropriate*





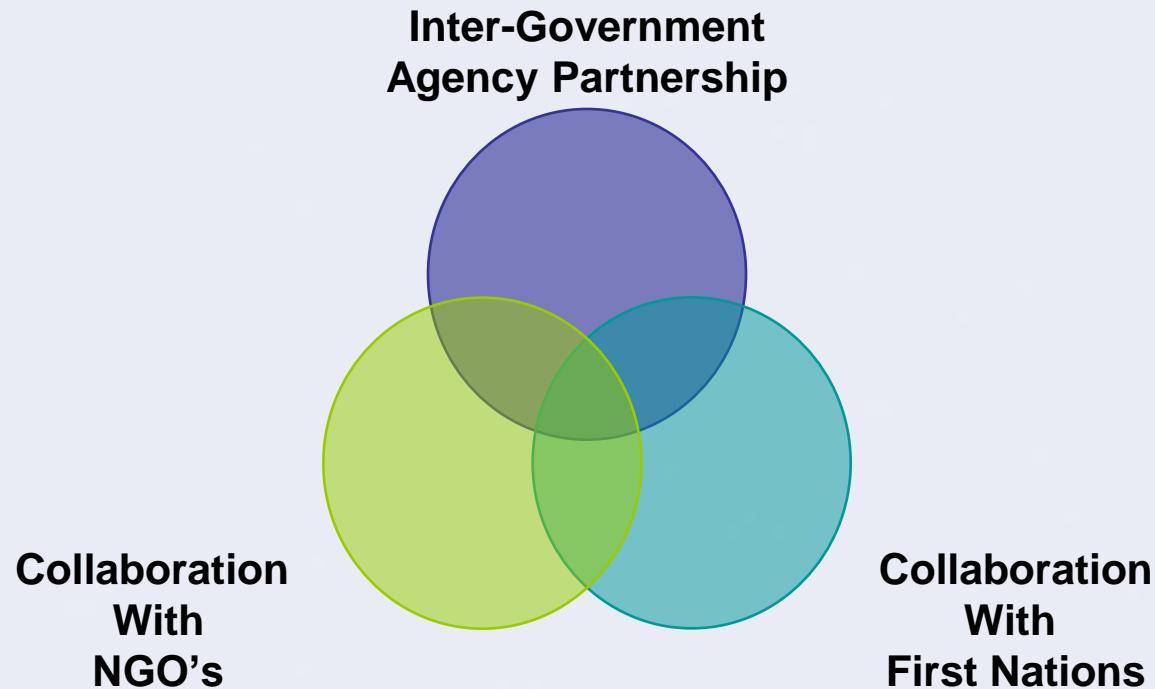
Partnership Goals -

- ***To provide a means of environmental assessment of the Boundary Bay area through:***
 - The establishment of ambient monitoring stations within Boundary Bay north of the 49th Parallel
 - Building of partnerships with other levels of government, including federal, provincial and municipal.
 - collaboration with the various U.S government agencies interested in the environmental status of Boundary Bay
 - Consideration for First Nations environmental objectives and concerns
 - Collaboration with involved non-government organizations respecting the ecosystems of Boundary Bay and area.





Partnership Management Approach to Ambient Monitoring –



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Intergovernmental Partnerships

Mandate given through the LWMP is to build partnerships with all levels of government involved in determining the overall environmental health of Boundary Bay.

- Environment Canada
- BC Ministry of Environment
- BC Ministry of Agriculture & Lands
- City of Surrey, City of White Rock, Corporation of Delta, Township of Langley



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Intergovernmental Partnerships

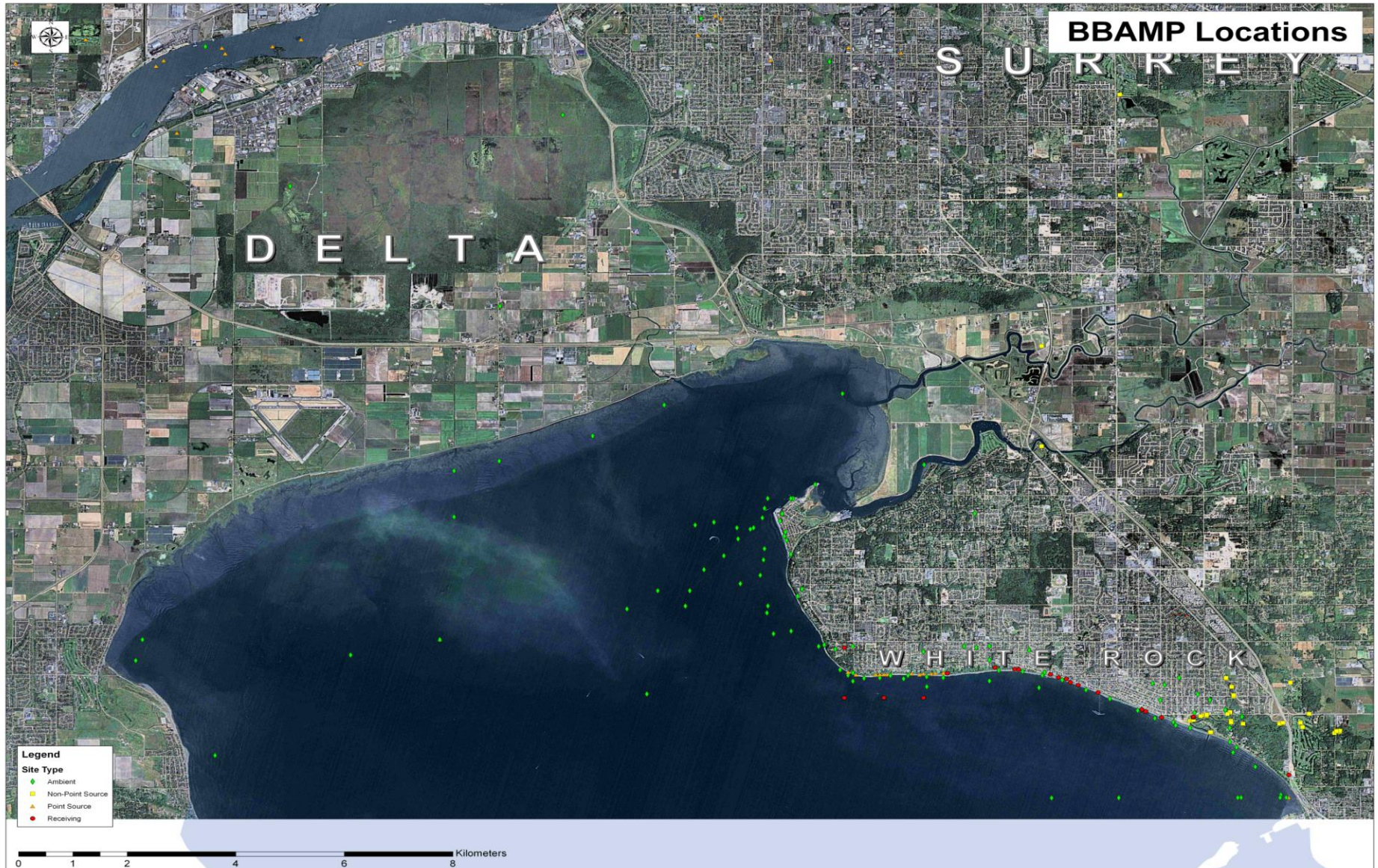
Partnership agreements with our U.S.A. counterparts for:

- Exchange of monitoring information
- Determination of monitoring criteria that is beneficial to all agencies on both sides of the 49th Parallel
- Determination of environmental effects

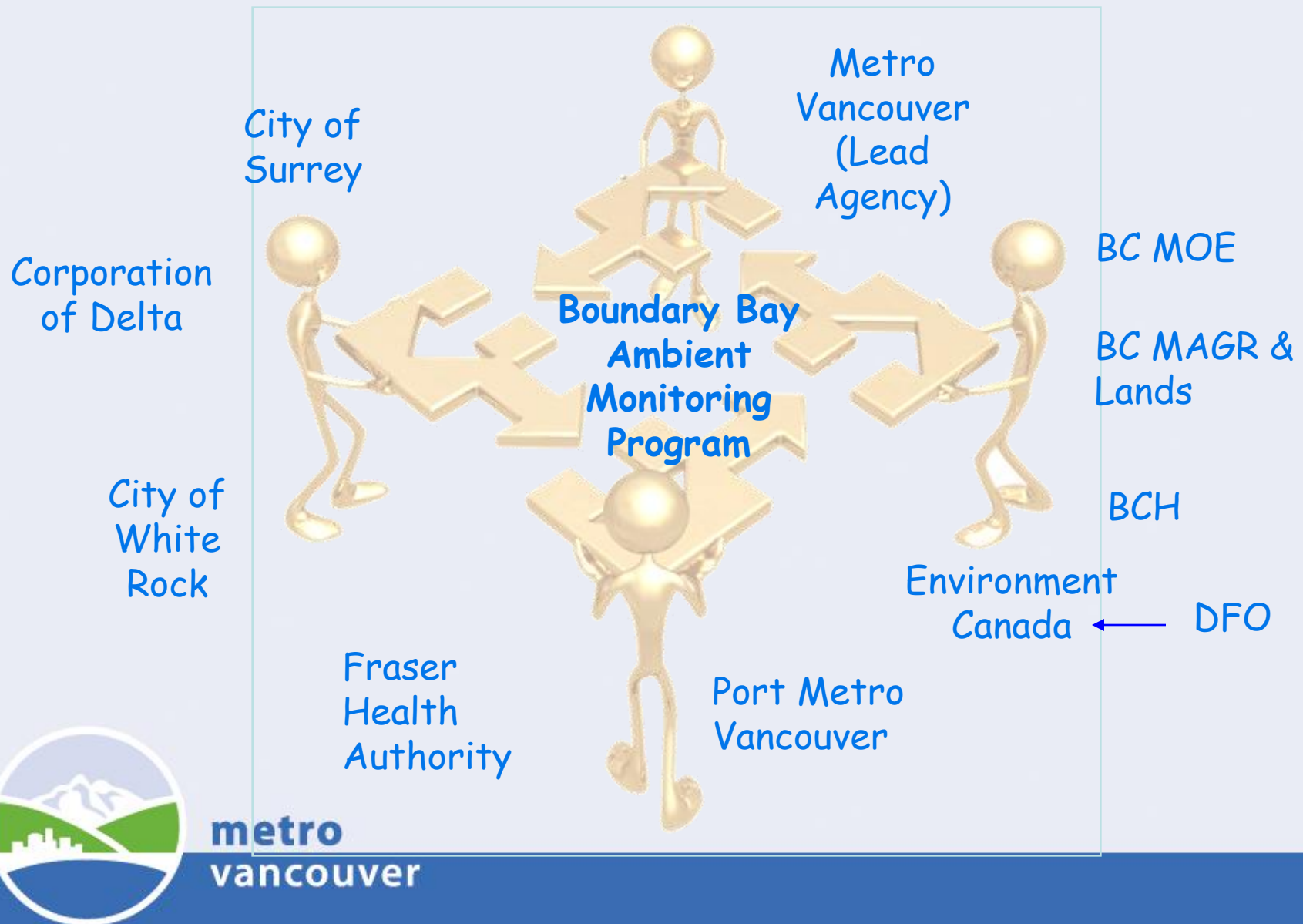


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Historical Monitoring Locations



Intergovernmental Partnerships



Partnership Monitoring Criteria

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- Ambient monitoring programs distinguished from receiving environment programs.
- Provide a baseline measure of conditions within the area being studied, and demonstrate where there is a temporal trend in any of the parameters measured that might affect environmental quality.
- Provides a basis against which to compare results from local receiving environment monitoring programs.



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Partnership Monitoring Criteria

BC Ministry of Environment

- *To provide a recommended list of indicators & associated parameters that can be used to report on the quality of Boundary Bay for water uses.*
- To provide an environmental overview to the decision makers within the various levels of government, NGO's and the public.



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Partnership Monitoring Criteria

Environment Canada

- Previous monitoring was on shellfish with a focus on fecal coliforms
- Ambient monitoring program results can be compared monitoring results from outfall or near-shore locations to provide data on the inputs to Boundary Bay
- Balance between spatial and temporal aspects of the monitoring to provide context to the data.



Intergovernmental Relationships –

A long-term priority of Metro Vancouver is to build, enhance and strengthen intergovernmental relationships with senior governments to:

- Ensure better integration and inclusion of regional district interests*
- Support specific regional district interests and issues*



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Metro Vancouver's First Nations Strategy

Key Objectives (adopted, 2005) include:

- Developing better relationships
- Developing better informational exchanges
- Developing communications materials to assist in creating a better understanding of regional district interests and priorities of First Nations
- Pursuing pragmatic solutions to specific issues



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Collaborative Agreements – Community

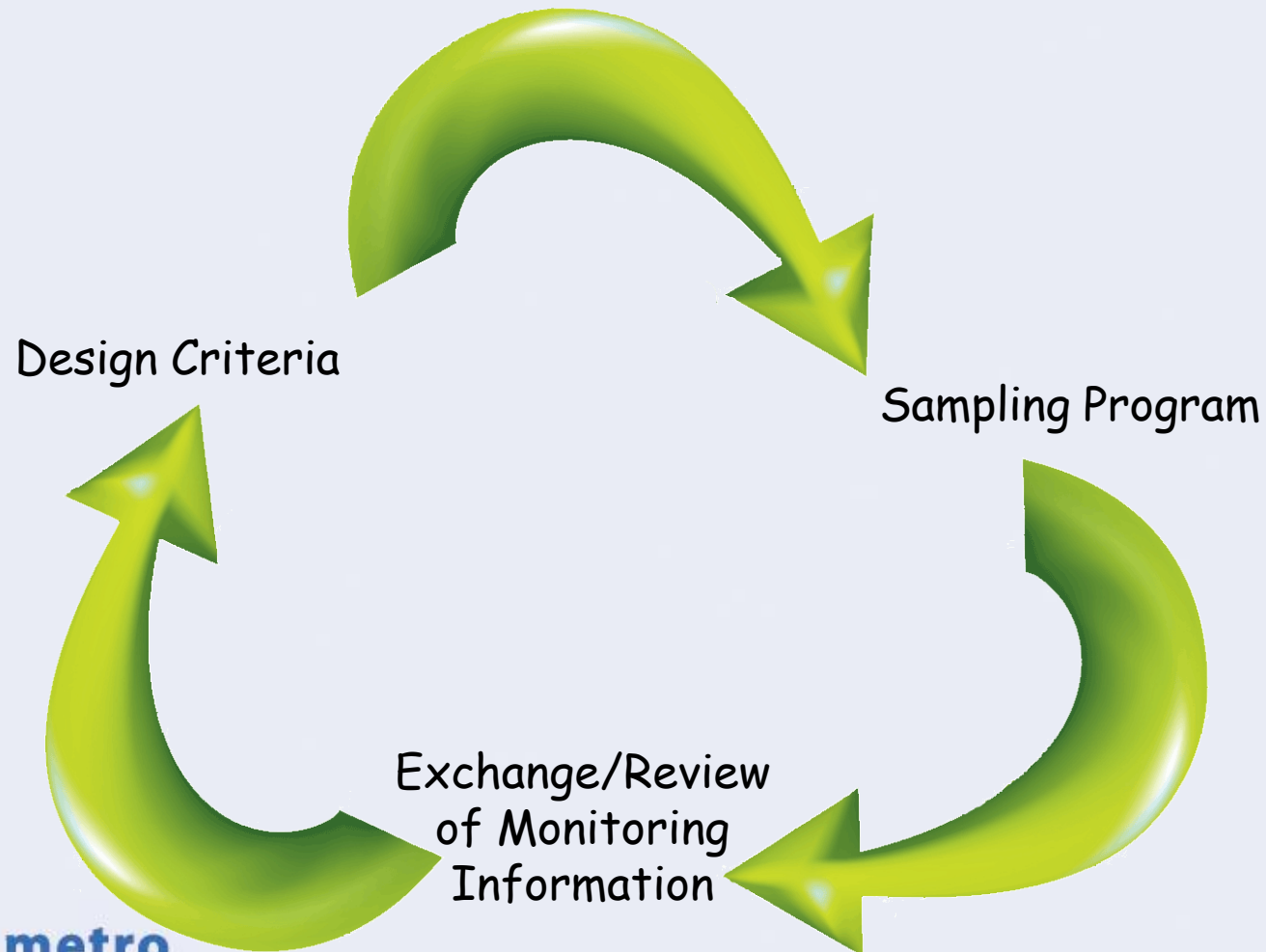
Non-Government Organizations (NGOs) have
environmental involvement in Boundary Bay

- Assessment of bird population
- Shellfish harvesting
- Vegetation inventory



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Coordination of Monitoring Program



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Participants at the Boundary Bay Ambient Monitoring Program Workshop December 9 & 10, 2008

- Metro Vancouver
- BC Ministry of Environment
- Fisheries and Oceans Canada
- Puget Sound Partnership
- Fraser River Estuary Management Program
- Port Metro Vancouver
- BC Hydro
- Environment Canada
- City of Surrey
- Corporation of Delta
- Whatcom County Public Works/Drayton Harbor
- BC Ministry of Agriculture and Lands
- Washington Department of Health
- City of White Rock



Ministry of
Environment



Fisheries and Oceans
Canada

Pêches et Océans
Canada

Canada

PugetSoundPartnership
our sound, our community, our chance



Fraser
River
Estuary
Management
Program



Environment
Canada

Environnement
Canada

Canada



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Workshop Presentations

Available at:

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login:

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Discussion/Questions



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